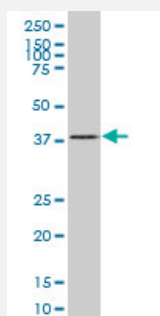


# SMAD7 monoclonal antibody (M14), clone 4E9

Catalog # H00004092-M14

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

SMAD7 monoclonal antibody (M14), clone 4E9. Western Blot analysis of SMAD7 expression in human placenta.

## Specification

|                                      |                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full length recombinant SMAD7.                                              |
| <b>Immunogen</b>                     | SMAD7 (NP_005895, 302 a.a. ~ 400 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | NSDNKSQLVQKVRSGKIGCGIQLTREVDGVVWVYNRSSYPIFIKSATLDNPDSRTLLVHKVFPGFSSIKA<br>FDYEKAYSLQRPNDHEFMQQPWTGFTVQISFV             |
| <b>Host</b>                          | Mouse                                                                                                                  |
| <b>Reactivity</b>                    | Human                                                                                                                  |
| <b>Interspecies Antigen Sequence</b> | Mouse (100); Rat (100)                                                                                                 |
| <b>Isotype</b>                       | IgG2a Kappa                                                                                                            |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.                                                                         |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                      |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                               |

## Applications

- Western Blot (Tissue lysate)

SMAD7 monoclonal antibody (M14), clone 4E9. Western Blot analysis of SMAD7 expression in human placenta.

[Protocol Download](#)

- ELISA

## Gene Info — SMAD7

|                     |                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4092</a>                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">NM_005904</a>                                                                                                                                                                                 |
| Protein Accession#  | <a href="#">NP_005895</a>                                                                                                                                                                                 |
| Gene Name           | SMAD7                                                                                                                                                                                                     |
| Gene Alias          | CRCS3, FLJ16482, MADH7, MADH8                                                                                                                                                                             |
| Gene Description    | SMAD family member 7                                                                                                                                                                                      |
| Omim ID             | <a href="#">114500 602932</a>                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                 |
| Gene Summary        | Drosophila) homolog 7 MAD                                                                                                                                                                                 |
| Other Designations  | MAD (mothers against decapentaplegic, Drosophila) homolog 7 MAD, mothers against decapentaplegic homolog 7 Mothers against decapentaplegic, drosophila, homolog of, 7 SMAD, mothers against DPP homolog 7 |

## Pathway

- [TGF-beta signaling pathway](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Carcinoma](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Keloid](#)
- [Kidney Neoplasms](#)
- [Leukemia](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Uterine Cervical Neoplasms](#)